

ABSTRACT OF THE DISCLOSURE

A method of accessing a semiconductor device that operates in synchronism with a clock signal, including fetching information indicating a memory cell location in a memory cell array in synchronism with the clock signal, determining first data of a plurality of data to be transferred sequentially, decoding the information indicating the memory cell location in the memory cell array and designating the memory cell, receiving data stored in the memory cell designated by the information indicating the memory cell location in the memory cell array in synchronism with the clock signal after a predetermined number of cycles of the clock signal, and outputting a plurality of data stored in the memory cells in synchronism with the clock signal and storing a plurality of input data in the memory cells in synchronism with the clock signal.